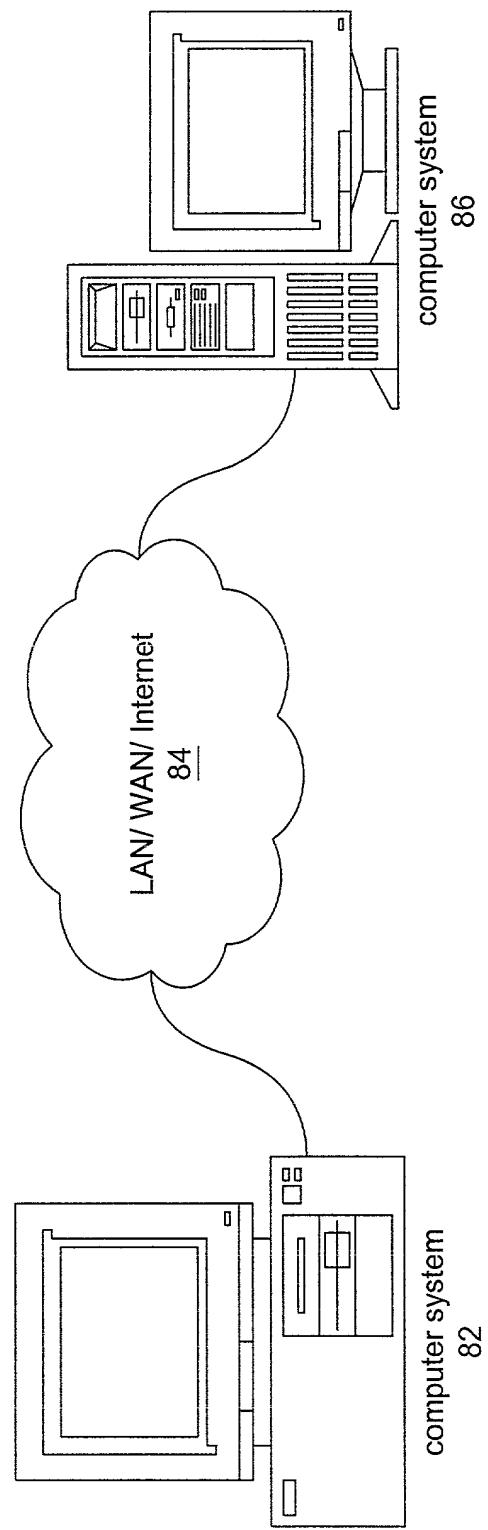


FIG.1



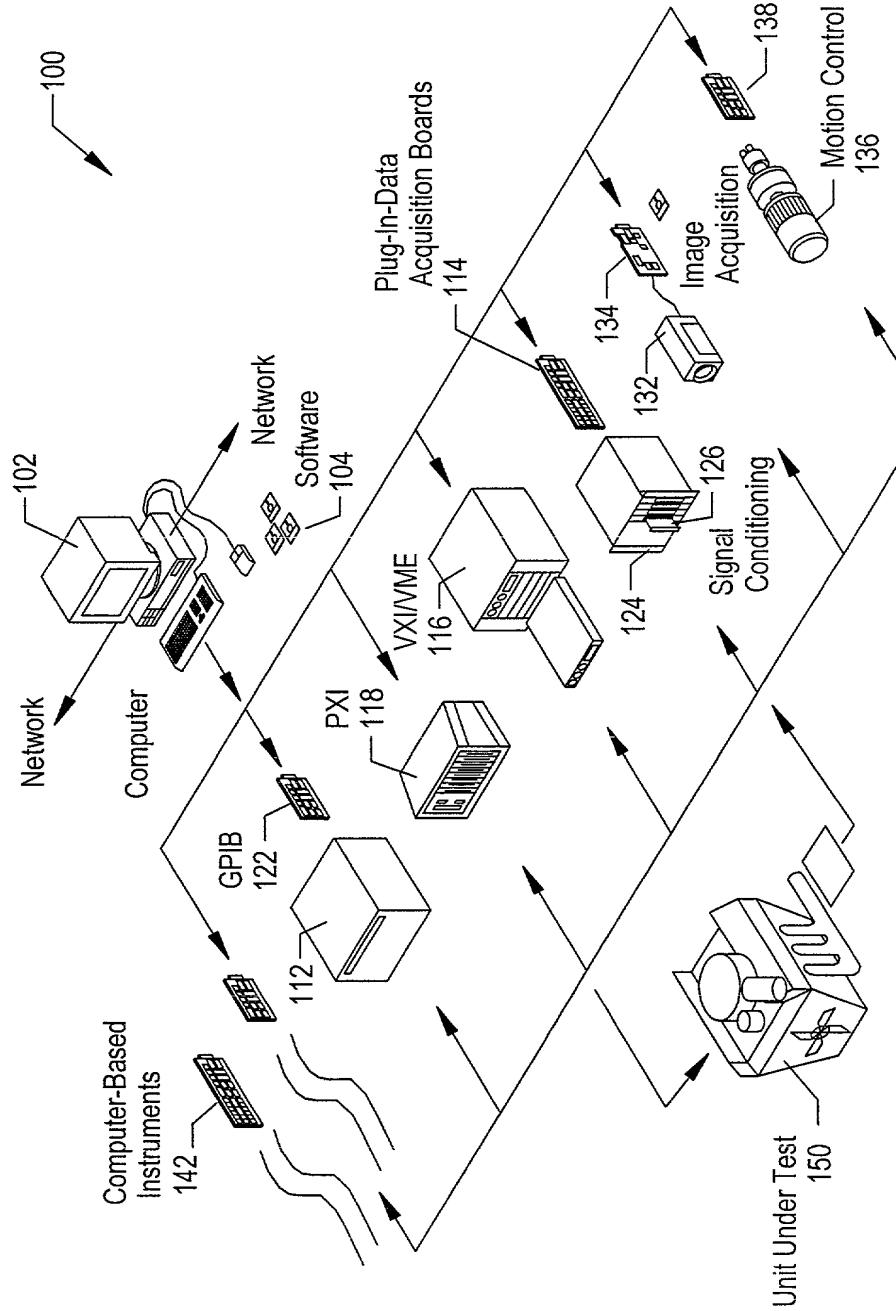
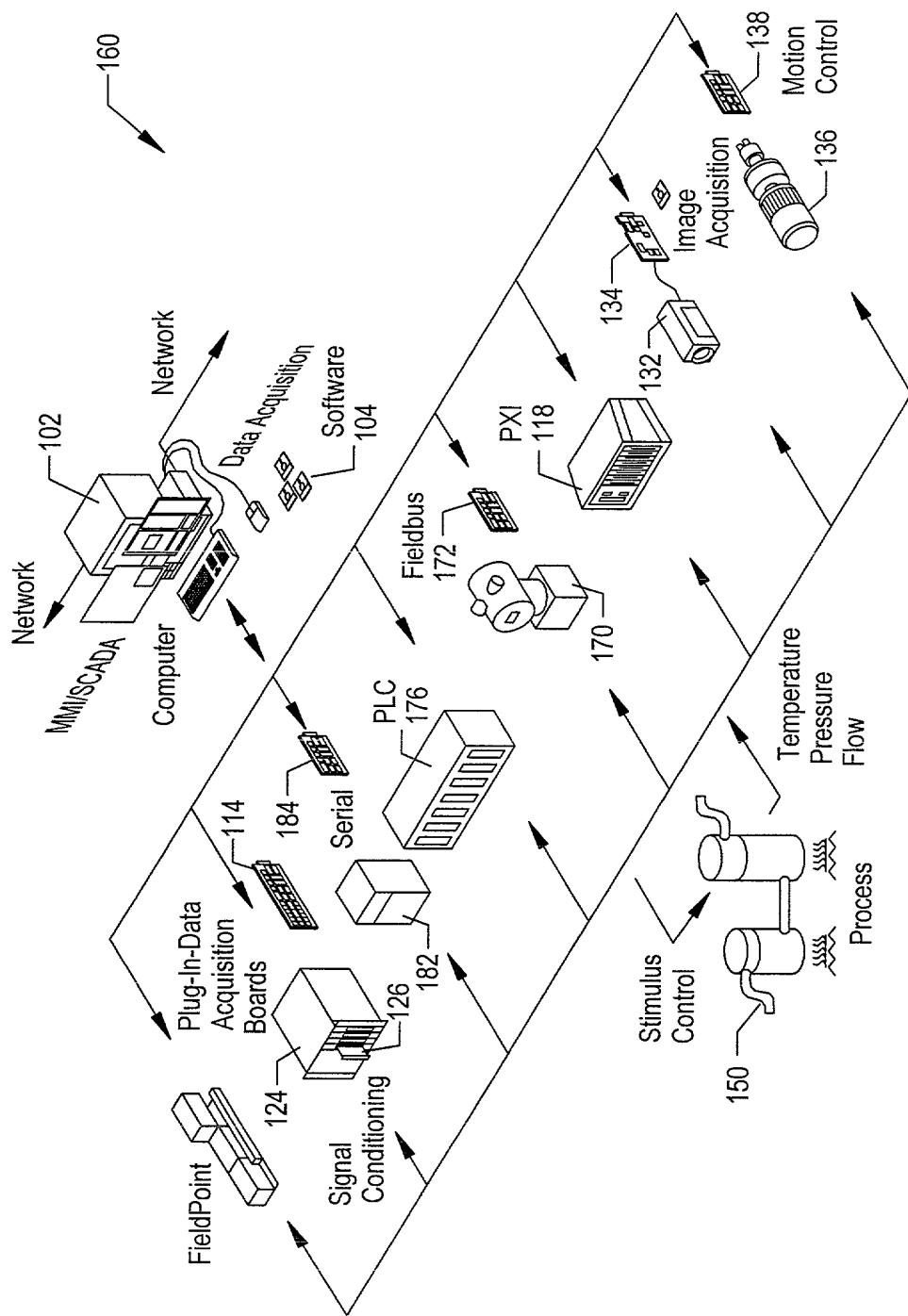


FIG. 2A

FIG. 2B



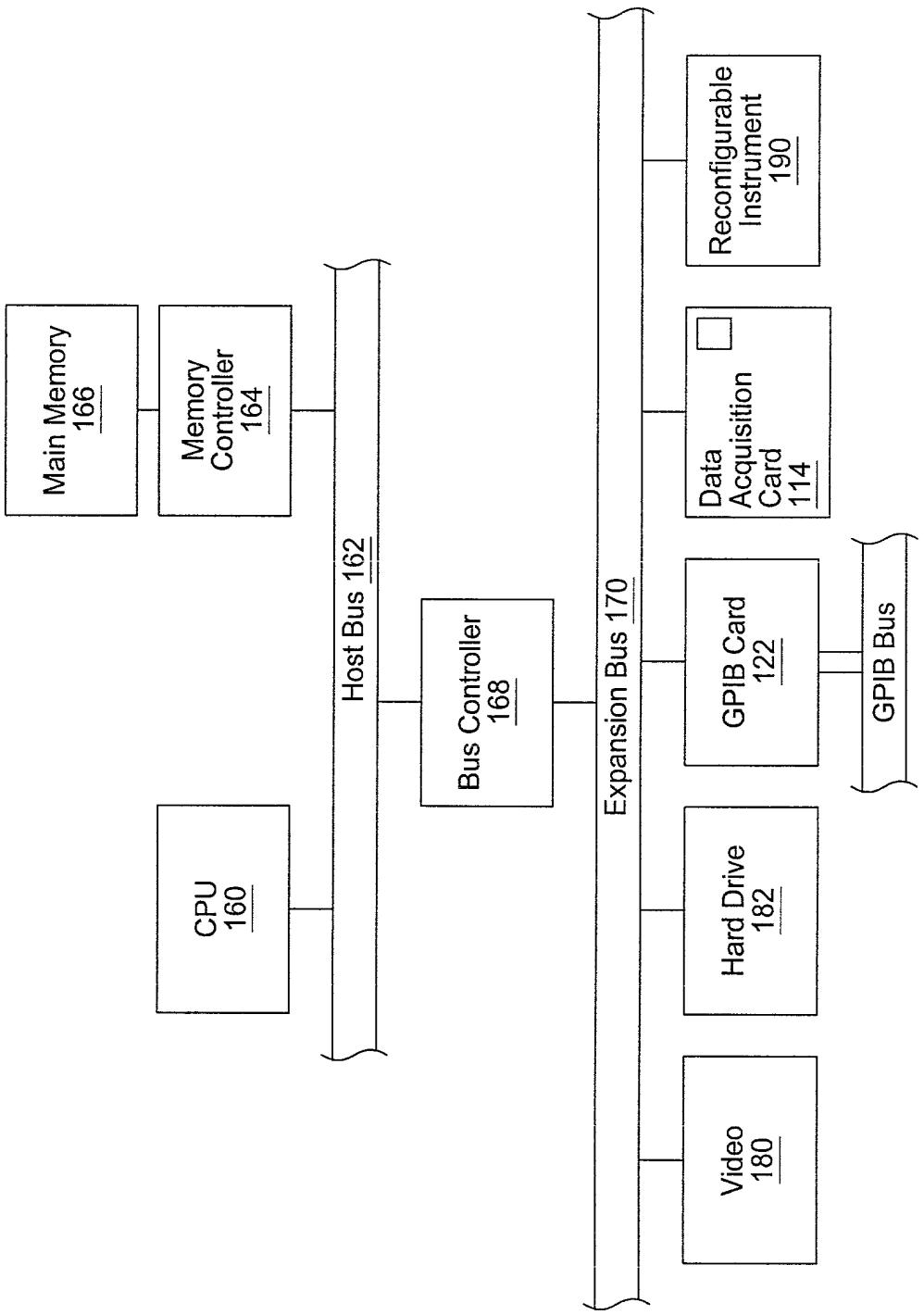


FIG. 3

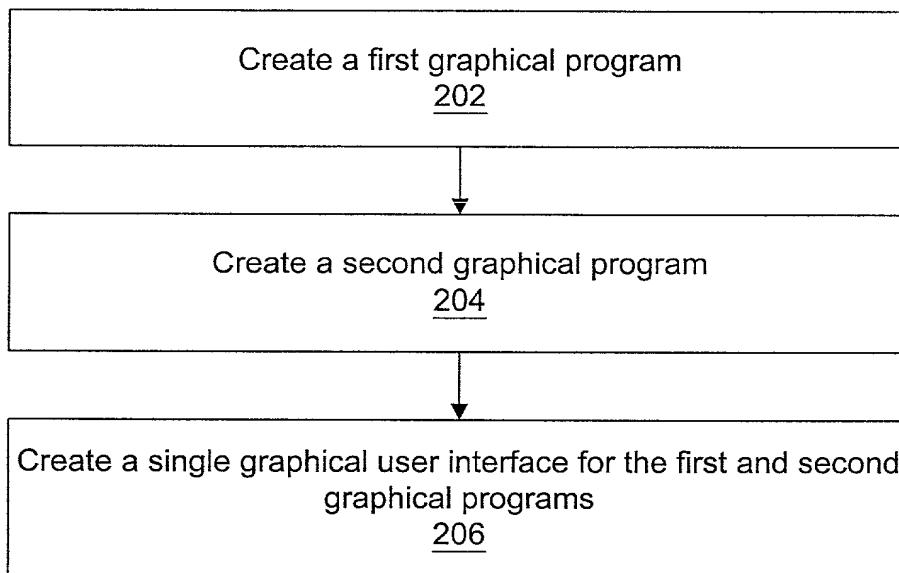


FIG. 4

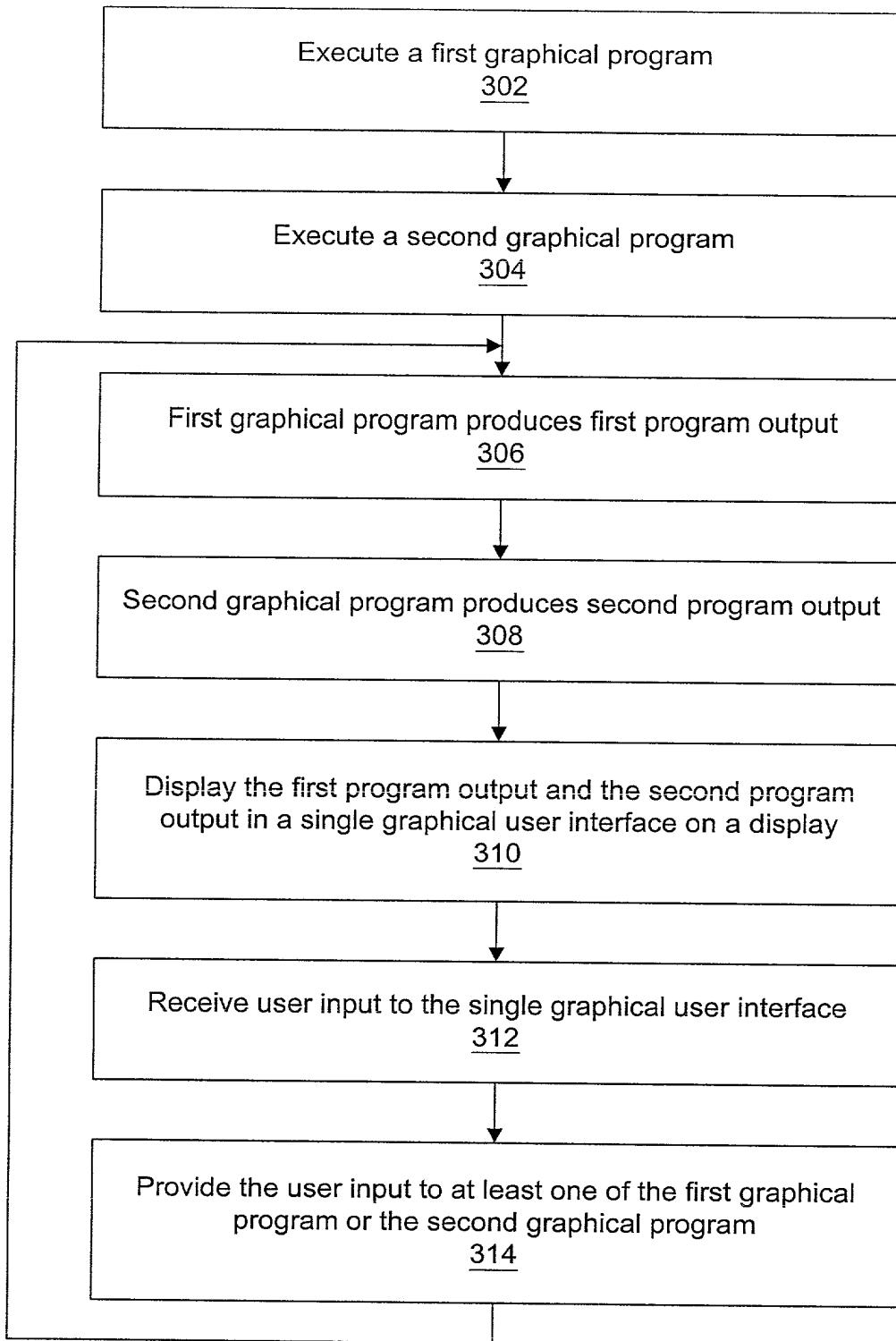


FIG. 5

FIG. 6

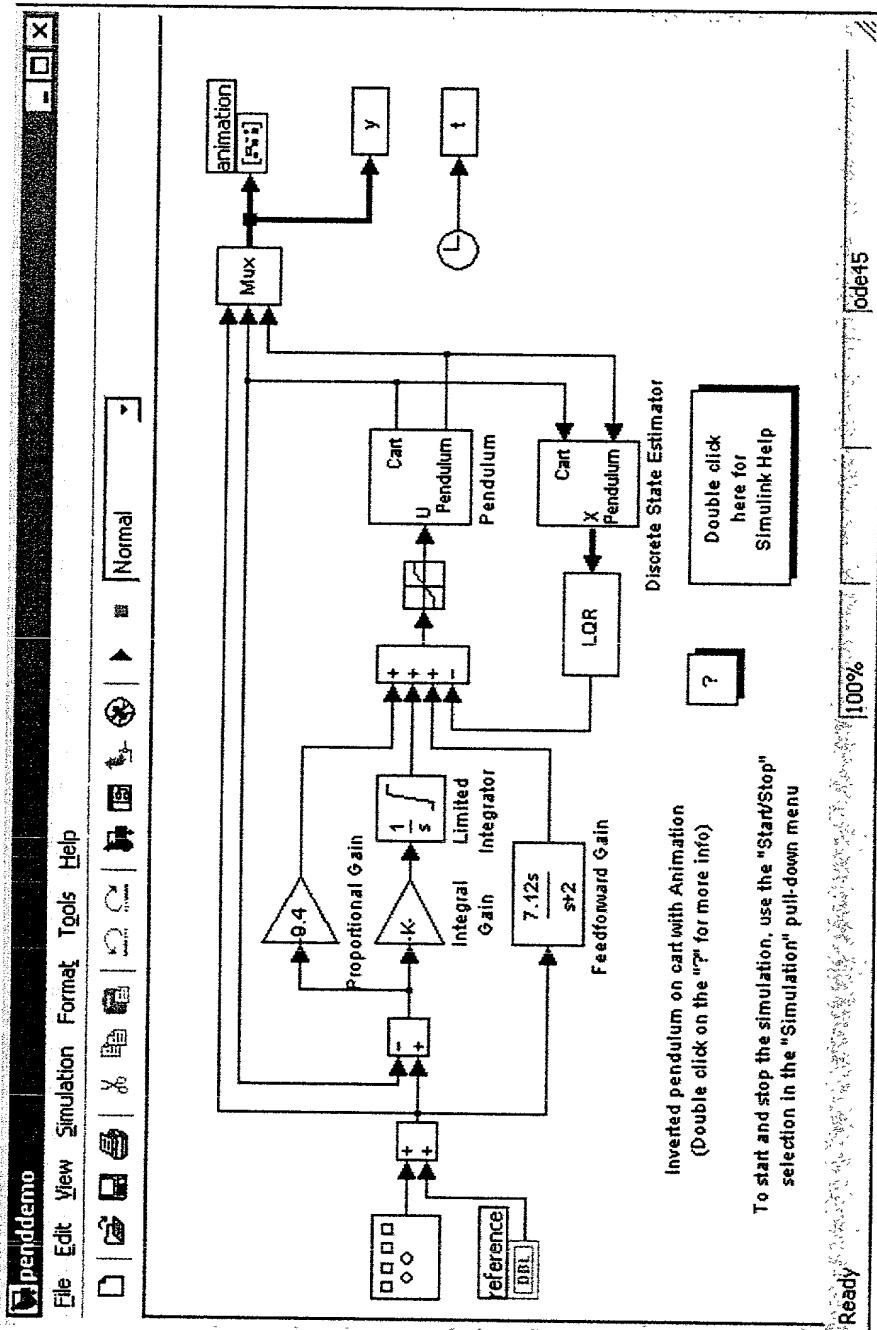


FIG. 7

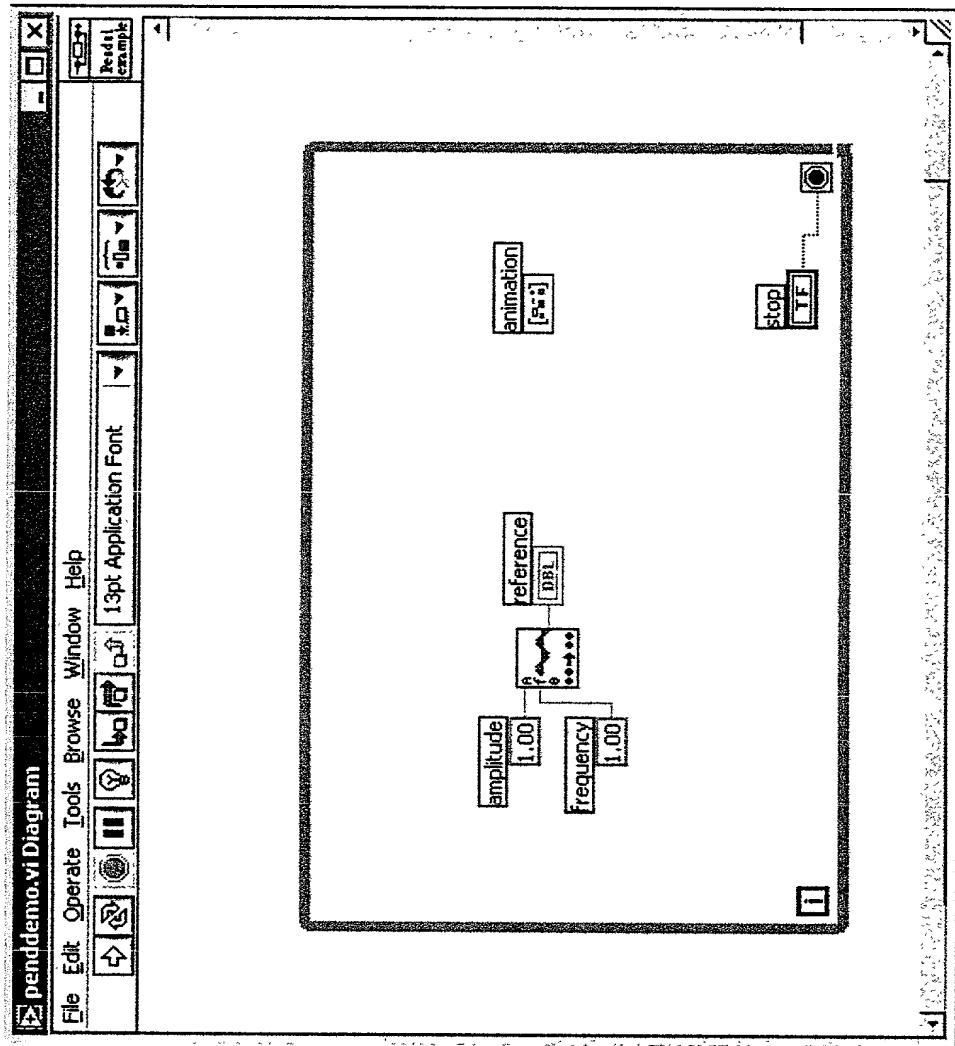


FIG. 8

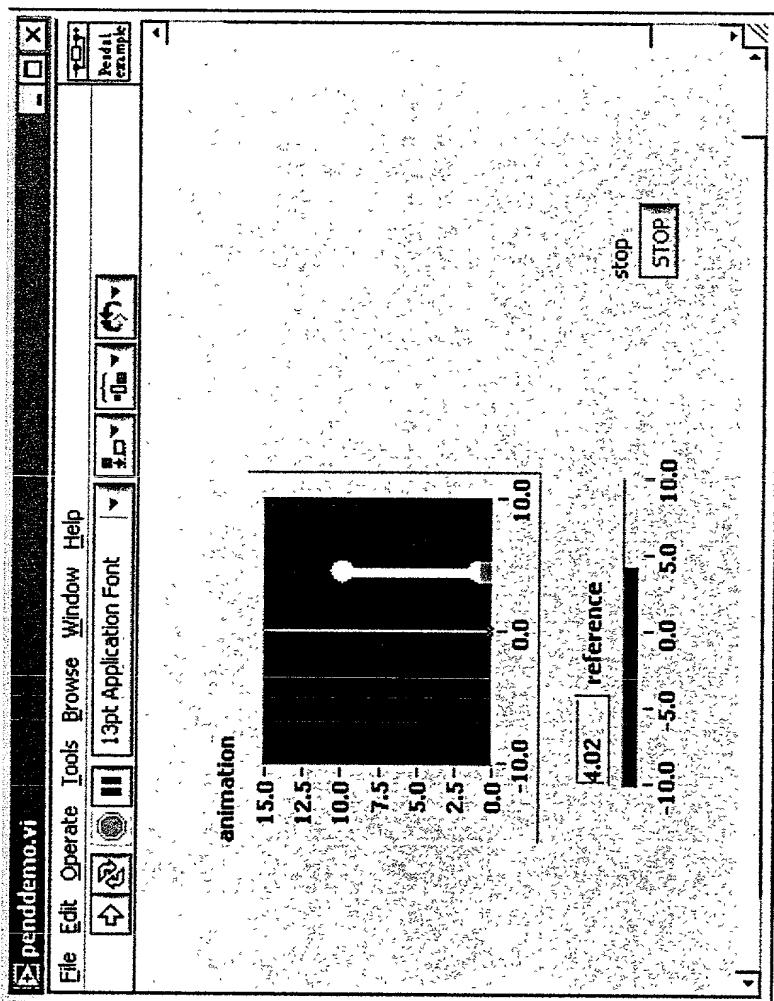
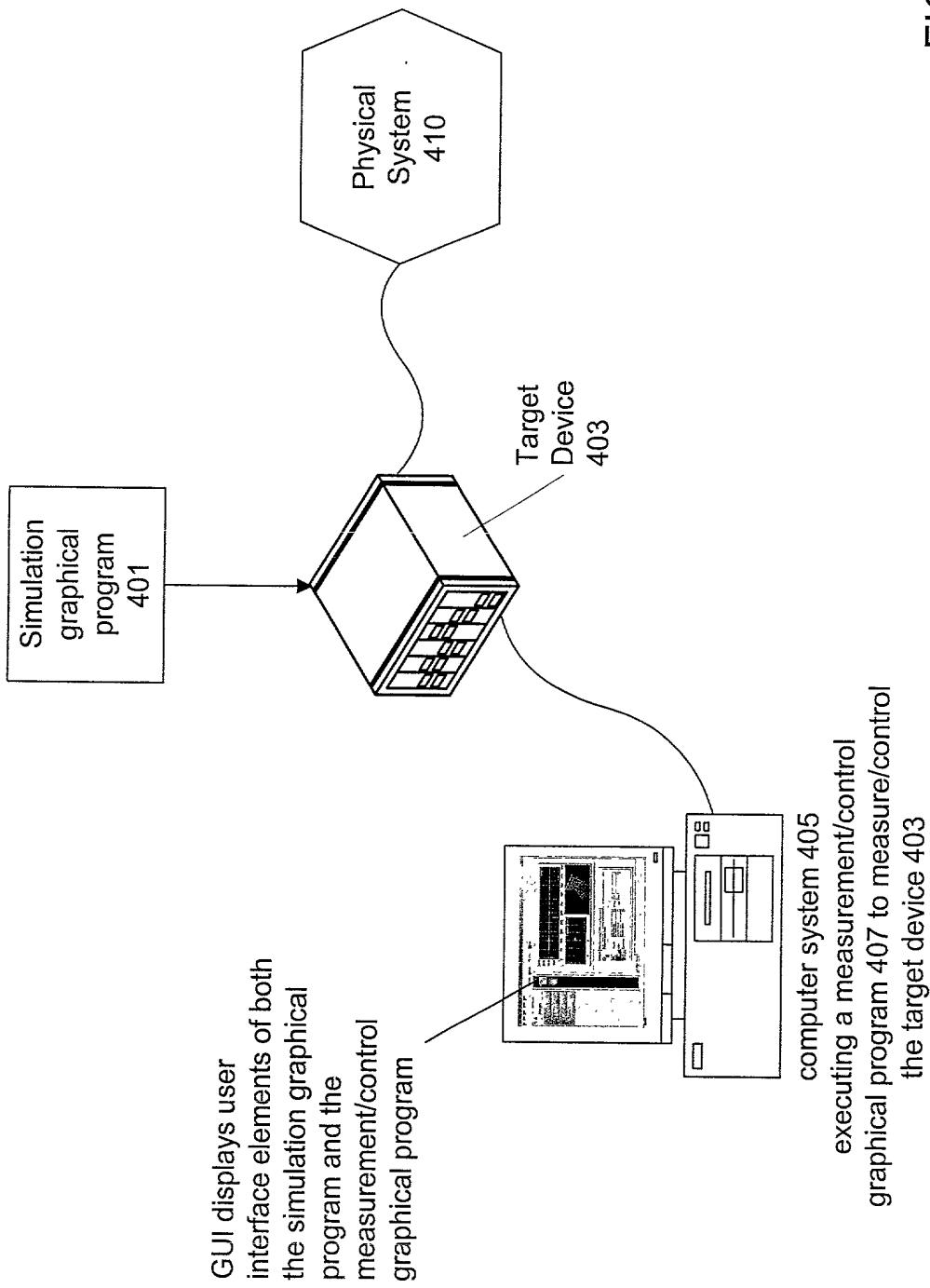


FIG. 9



Create a first graphical program that models a product being designed, wherein the first graphical program is created in a first graphical program development environment

421

Deploy the first graphical program on a target device for execution

423

Create a second graphical program that performs a measurement function, wherein the second graphical program is created in a second graphical program development environment

425

Couple the target device to a physical system

427

Execute the first graphical program on the target device to simulate operation of the product, wherein the target device interacts with the physical system

429

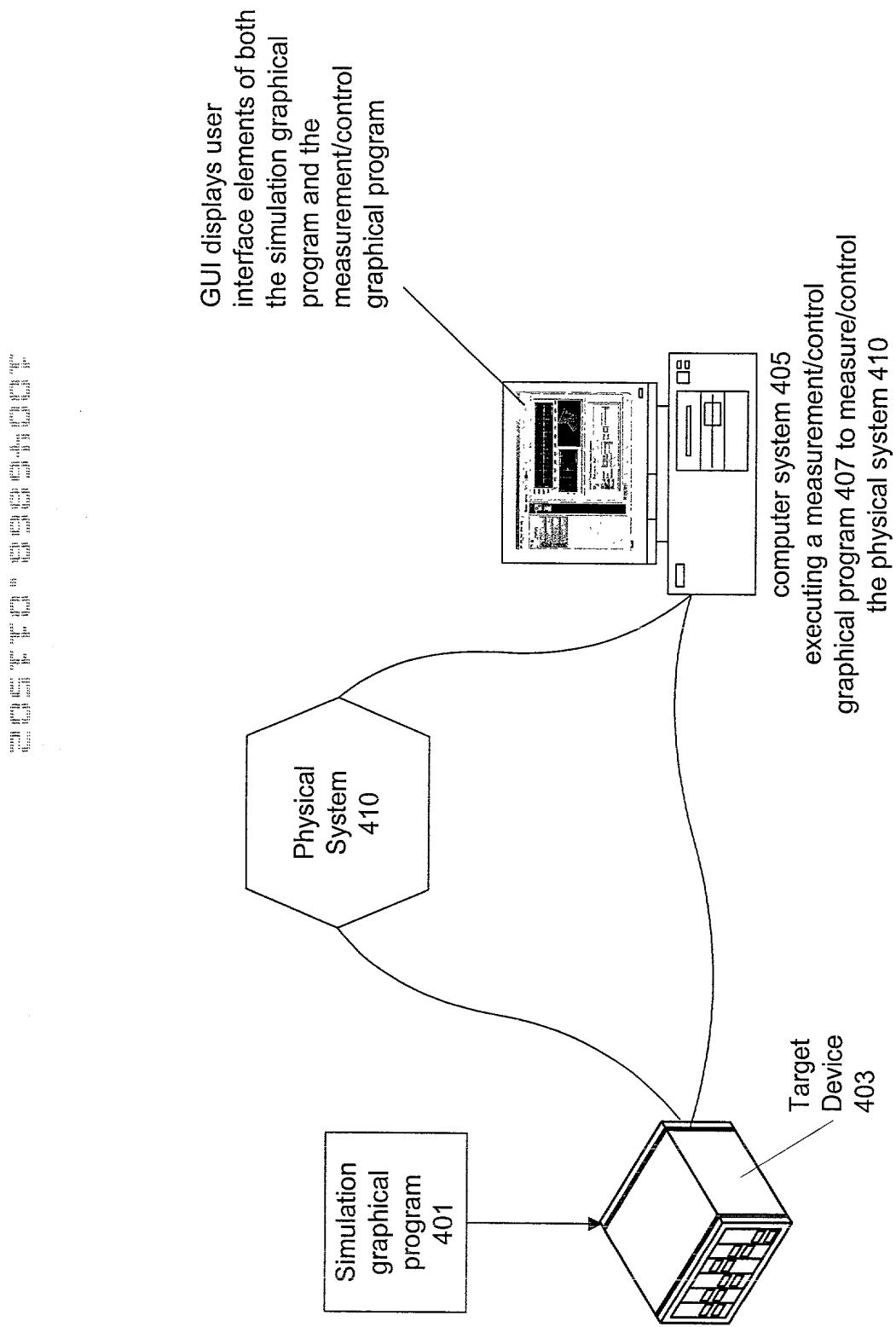
Execute the second graphical program to measure characteristics of the operation of the product

431

Display a single graphical user interface comprising a first plurality of graphical user interface elements for the first graphical program and a second plurality of graphical user interface elements for the second graphical program

433

FIG. 11



Create a first graphical program that models a product being designed, wherein the first graphical program is created in a first graphical program development environment

451

Deploy the first graphical program on a target device for execution

453

Create a second graphical program that performs a measurement function, wherein the second graphical program is created in a second graphical program development environment

455

Couple the target device to a physical system

457

Execute the first graphical program on the target device to simulate operation of the product, wherein the target device interacts with the physical system

459

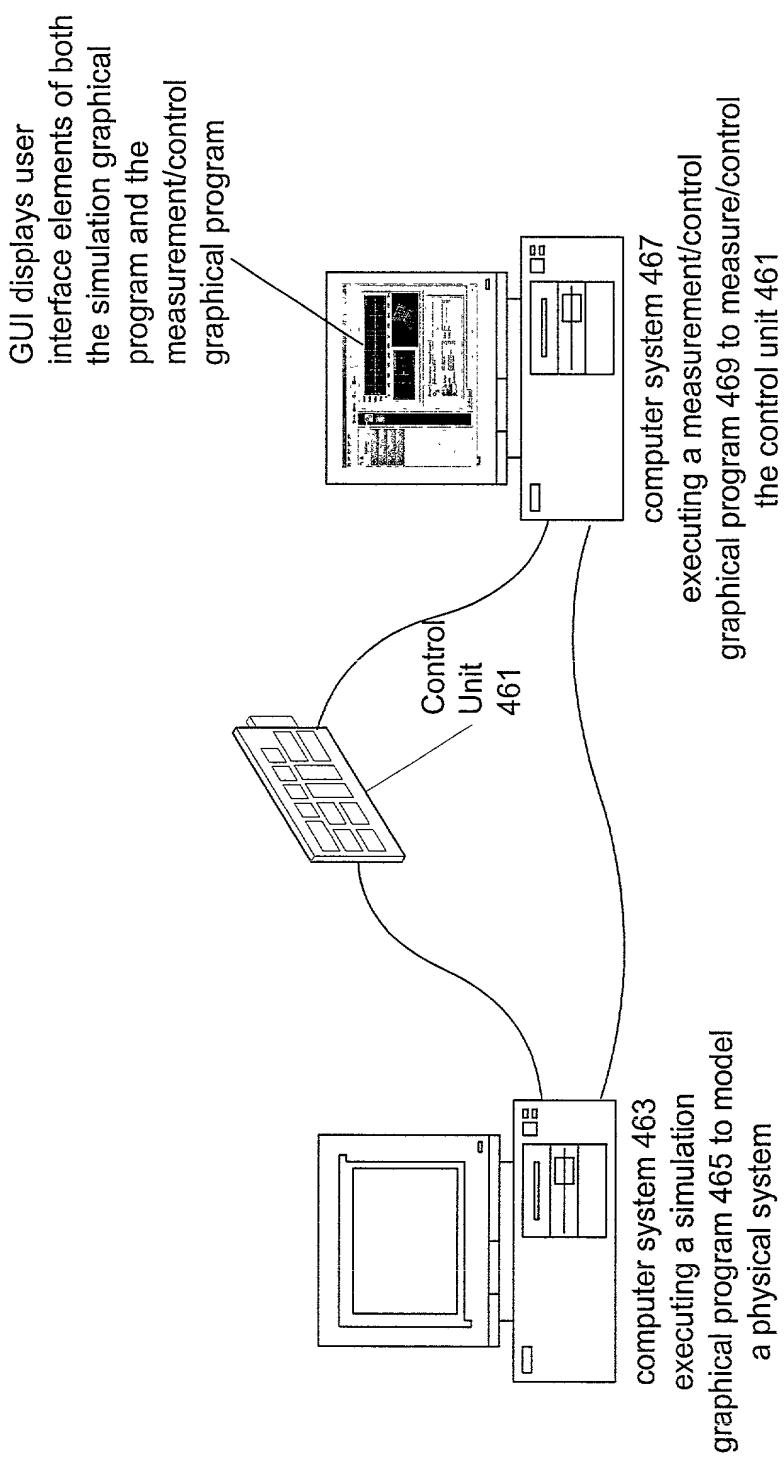
Execute the second graphical program to measure characteristics of the operation of the physical system

461

Display a single graphical user interface comprising a first plurality of graphical user interface elements for the first graphical program and a second plurality of graphical user interface elements for the second graphical program

463

FIG. 13



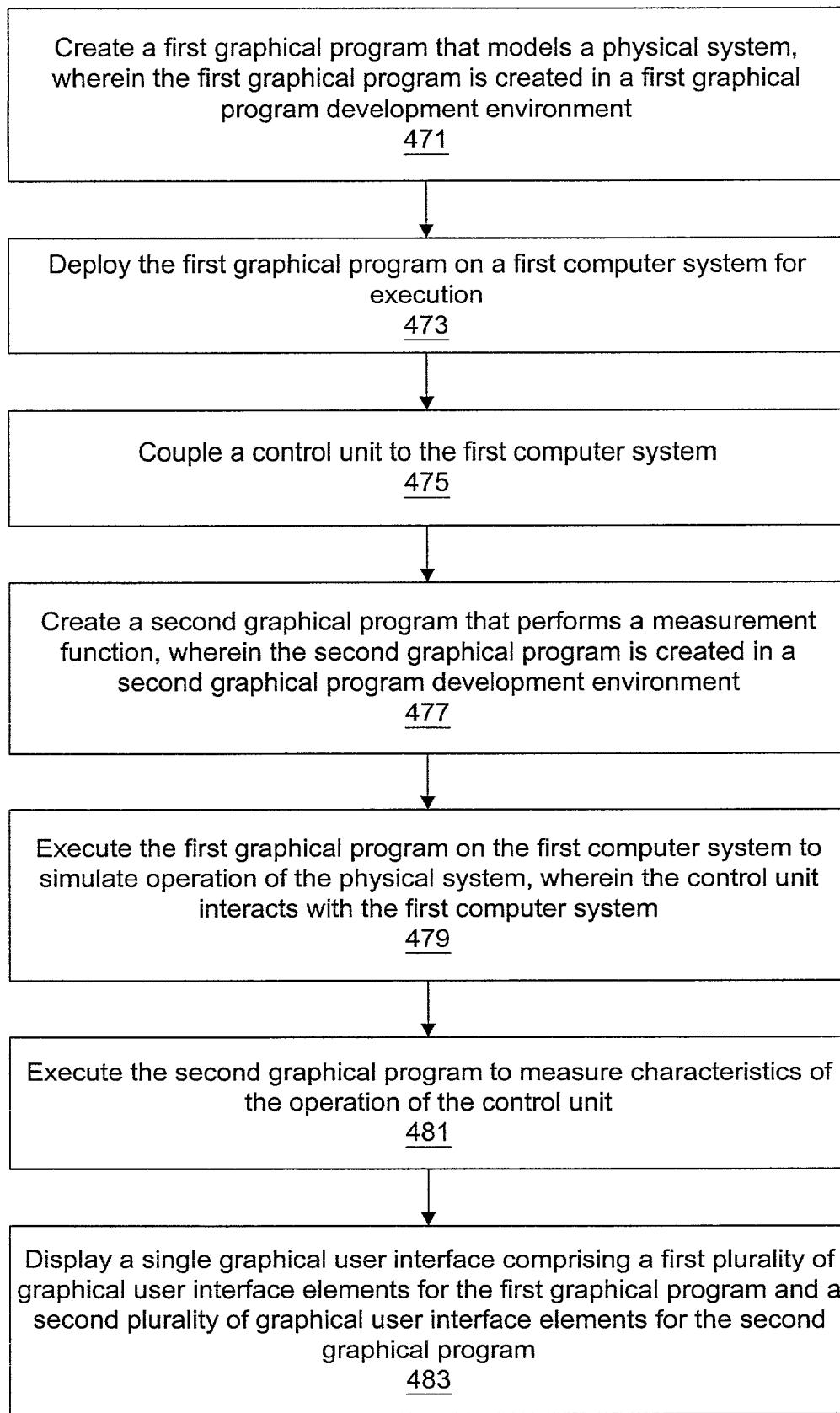


FIG. 14